

Double Blind Study: Water Tasting Experiment

Materials Needed: Pencil, calculator, and compass

Volunteers from the class will take part in a study to determine the best tasting water among 4 different types.

Important:

1. Volunteers will receive an extra credit participation point
2. Nothing should be said to volunteers when they are tasting or a point will be deducted.
It's okay to laugh if the taster makes a funny face.

Specifics on How Experiment Will Be Done

The types of water will be given letter names, A, B, C, and D, and will be revealed at the end of the tasting session. The person serving the water does not know the water type. Volunteers will receive one cup. One student will taste in front of the class at a time. The order of tasting will be different for each volunteer. The taster won't be aware of the lettered water they are tasting, but the class will. After the tasting, the student will state which type of water tasted the best by number, 1st, 2nd, 3rd, or 4th. At the end of the study the type of water will be revealed for each lettered cup.

Is the study blind or double blind? How?

Data Collected from Study:

Type of Water	Water Letter	# of Participants Who Found Type Best Tasting
	A	
	B	
	C	
	D	

Explain the results of the study.

Make a pie chart depicting which types of water the participants of the study found to be the best tasting?

Tip: To find a percentage, take the number who favored a type of water and divide by the total participants.

What were some of the potential flaws in the study?

Any suggestions for how to make this performance task better?